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| ·   | Application Number       |       | 10002217      | , |
|---|--------------------------|-------|---------------|---|
| INFORMATION DISCLOSURE  | Filing Date              | ,     | 2001-11-01    |   |
|   | First Named Inventor Cra |       | Craig Nemecek |   |
| STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Art Unit                 |       | 2123          |   |
| ( NOT 101 Submission under 37 GFR 1.99)                       | Examiner Name            | Jasor | Scott Proctor |   |
|   | Attorney Docket Numb     | oer   | CD01207M      |   |

|                      | U.S.PATENTS |               |                           |                                     |   |  |  |  |  |
|----------------------|-------------|---------------|---------------------------|-------------------------------------|---|--|--|--|--|
| Examiner<br>Initial* | Cite<br>No  | Patent Number | Kind<br>Code <sup>1</sup> | Issue Date                          | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |  |
|                      | 1           | 5968135       | B1                        | 1999-10-19                          | Teramoto, et al.                                | Entire Document  |  |  |  |
|                      | 2           | 5399922       | B1                        | 1995-03-21                          | Kiani et al.                                    | Entire Document  |  |  |  |
|                      | 3           | 5680070       | B1                        | 1997-10-21                          | Anderson et al.                                 | Entire Document  |  |  |  |
|                      | 4           | 6144327       | B1                        | 2000-11-07 Distinti et al. Entire ( |   | Entire Document  |  |  |  |
|                      | 5           | 5202687       | B1                        | 1993-04-13 Distinti Entire Docum    |   | Entire Document  |  |  |  |
|                      | 6           | 6166367       | B1                        | 2000-12-26 Cho Entire Docu          |   | Entire Document  |  |  |  |
|                      | 7           | 5600262       | B1                        | 1997-02-04 Kolze Entire Document    |   | Entire Document  |  |  |  |
|                      | 8           | 5414308       | B1                        | 1995-05-09                          | 09 Lee et al. Entire Document                   |  |  |  |  |

| Application Number     |       | 10002217        |  |  |
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| Attorney Docket Number |       | CD01207M        |  |  |

| 9  | 5258760 | B1 | 1993-11-02 | Moody et al.    | Entire Document   |
|----|---------|----|------------|-----------------|-------------------|
| 10 | 5563526 | B1 | 1996-10-08 | Hastings et al. | Entire Document   |
| 11 | 6225866 | B1 | 2001-05-01 | Kubota et al.   | Entire Document   |
| 12 | 5880598 | B1 | 1999-03-09 | Duong           | Entire Document   |
| 13 | 6304101 | B1 | 2001-10-16 | Nishihara       | Entire Document   |
| 14 | 5426378 | B1 | 1995-06-20 | Ong             | Entire Document   |
| 15 | 5828693 | B1 | 1998-10-27 | Mays et al.     | Entire Document   |
| 16 | 5703871 | B1 | 1997-12-30 | Pope et al.     | Entire Document · |
| 17 | 6018559 | B1 | 2000-01-25 | Azegami et al.  | Entire Document   |
| 18 | 6191660 | B1 | 2001-02-20 | Mar et al.      | Entire Document   |
| 19 | 5939949 | B1 | 1999-08-17 | Olgaard et al.  | Entire Document   |

| Application Number     |       | 10002217        |  |
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|------|---------|----|------------|---------------------|--|
| 20   | 6157270 | B1 | 2000-12-05 | Tso                 | Entire Document                                    |
| 21   | 4138671 | B1 | 1997-02-06 | Comer et al.        | Entire Document                                    |
| 22   | 5633766 | B1 | 1997-05-27 | Hase et al.         | Entire Document                                    |
| 23   | 6202044 | B1 | 2001-03-13 | Tzori               | Entire Document                                    |
| 24   | 6356862 | B1 | 2002-03-12 | Bailey              | Entire Document                                    |
| 25   | 5903718 | B1 | 1999-05-11 | Marik               | Entire Document                                    |
| 26   | 6188975 | B1 | 2001-02-13 | Gay                 | Entire Document                                    |
| 27   | 6263302 | B1 | 2001-07-17 | Hellestrand, et al. | Entire Document                                    |
| 28   | 6332201 | B1 | 2001-12-18 | Chin, et al.        | Entire Document                                    |
| 29   | 6598178 | B1 | 2003-07-22 | Lee, et al.         | Entire Document                                    |
| 30   | 5050168 | B1 | 1991-09-17 | Paterson            | Entire Document                                    |

| Application Number   |       | 10002217        |  |  |  |
|----------------------|-------|-----------------|--|--|--|
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| Attorney Docket Numb | er    | CD01207M        |  |  |  |

|                      |            |                          |                           | 7 Morrioy Booket Harriser GBG1261 M |                                   |   |  |  |                 |
|----------------------|------------|--------------------------|---------------------------|-------------------------------------|-----------------------------------|---|--|--|-----------------|
|                      |            |                          |                           |                                     |                                   |   |  |  |                 |
|                      | 31         | 5438672                  | B1                        | 1995-08-01                          | Dey                               |   | Entire Document  |  |                 |
|                      | 32         | 6314530                  | B1                        | 2001-11-06                          | Mann Entire Document              |   | Entire Document  |  |                 |
|                      | 33         | 6681280                  | B1                        | 2004-01-20                          | Miyake, et al.                    |   | Miyake, et al.   |  | Entire Document |
| If you wis           | h to a     | dd additional U.S. Paten | t citatio                 | n information pl                    | ease click the Ac                 | d button.                               |  |  |                 |
|                      |            |                          | U.S.P                     | ATENT APPLI                         | CATION PUBLIC                     | CATIONS                                 |  |  |                 |
| Examiner<br>Initial* | Cite<br>No | Publication Number       | Kind<br>Code <sup>1</sup> | Publication<br>Date                 | Name of Patent<br>of cited Docume | tee or Applicant<br>ent                 | Pages,Columns,Lines where<br>Relevant Passages or Relevant<br>Figures Appear |  |                 |
|                      | 1          | 20020122060              | A1                        | 2002-09-05                          | Markel                            |   | Entire Document  |  |                 |
|                      |            |                          |                           |                                     |                                   | *************************************** |  |  |                 |

| Examiner<br>Initial* | Cite<br>No | Publication Number | Kind<br>Code <sup>1</sup> | Publication<br>Date | Name of Patentee or Applicant of cited Document | Relevant Passages or Relevant<br>Figures Appear |
|----------------------|------------|--------------------|---------------------------|---------------------|---|---|
|                      | 1          | 20020122060        | A1                        | 2002-09-05          | Markel  | Entire Document                                 |
|                      | 2          | 20030229877        | A1                        | 2003-12-11          | Bersch, et al.                                  | Entire Document                                 |
|                      | 3          | 20040221238        | A1                        | 2004-11-04          | Cifra, et al.                                   | Entire Document                                 |
|                      | 4          | 20020116168        | A1                        | 2002-08-22          | Kim, Mahn Bok                                   | Entire Document                                 |
|                      | 5          | 20020156885        | A1                        | 2002-10-24          | Thakkar, Bina Kunal                             | Entire Document .                               |
|                      | 6          | 20020156998        | A1                        | 2002-10-24          | Casselman, Steven                               | Entire Document                                 |

| Application Number     |       | 10002217        |  |  |
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| Attorney Docket Number |       | CD01207M        |  |  |

|                      | 7          | 20020091739                             | A1                             | A1 2002-07-1 |               | Ferlitsch et al.    |  | Entire Document |   |    |
|----------------------|------------|---|--------------------------------|--------------|---------------|---------------------|--|-----------------|---|----|
|                      | 8          | 20020156929                             | A1                             | 2002-10      | -24           | Hekmatpour, Amir    |  | Entire Document |   |    |
| ,                    | 9          | 20020188910                             | A1                             | 0220-12      | 2-12          | Zizzo, Claudio      |  | Entire          | Document  |    |
| If you wis           | h to a     | dd additional U.S. Publi                | shed Ap                        | plication    | citation      | n information p     | lease click the Add                                | d butto         | on.   |    |
|                      |            |   |                                | FOREIG       | SN PAT        | ENT DOCUM           | ENTS   |                 |   |    |
| Examiner<br>Initial* | Cite<br>No | Foreign Document<br>Number <sup>3</sup> | Country<br>Code <sup>2</sup> i |              | Kind<br>Code4 | Publication<br>Date | Name of Patented<br>Applicant of cited<br>Document |                 | Pages,Columns,Lines<br>where Relevant<br>Passages or Relevant<br>Figures Appear | T5 |
|                      | 1          | 9532478                                 | wo                             |              | A1            | 1995-11-30          | Klien  |                 | Entire Document   |    |
|                      | 2          | 0450863A2                               | EP                             | EP           |               | 1991-10-09          | Austin   | ·               | Entire Document   |    |
|                      | 3          | 0499383A2                               | EP                             |              | A1            | 1992-08-19          | El Ayat; Khaled, A.                                |                 | Entire Document   |    |
|                      | 4          | 0308583A2                               | EP                             |              | A1            | 1989-03-29          | Bartlett   |                 | Entire Document   |    |
|                      | 5          | 0639816A2                               | EP -                           |              | A1            | 1995-02-22          | McCollum .   |                 | Entire Document   |    |
|                      | 6          | 1170671A1                               | EP                             | ΕP           |               | 2002-01-08          | Arena et al.                                       |                 | Entire Document   |    |

|                        |       | 40000047      |  |
|------------------------|-------|---------------|--|
| Application Number     |       | 10002217      |  |
| Filing Date            |       | 2001-11-01    |  |
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| Attorney Docket Number |       | CD01207M      |  |

|                                 | 7          | 1205848   | EP             | A1       | 2002-05-15     | TELEFONAKTIEBOLAG<br>ET LM ERICSSON | Entire Document |  |  |  |
|---------------------------------|------------|---|----------------|----------|----------------|-------------------------------------|-----------------|--|--|--|
| If you wis                      | h to ac    | dd additional Foreign Pa  | atent Document | citation | information pl | ease click the Add buttor           | 1               |  |  |  |
| NON-PATENT LITERATURE DOCUMENTS |            |   |                |          |                |                                     |                 |  |  |  |
| Examiner<br>Initials*           | Cite<br>No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. |                |          |                |                                     |                 |  |  |  |
|                                 | 1          | From Application Number 10/033,027 (CD00232): Goodenough, F. "Analog Counterparts of FPGAS Ease System Design" Electronic Design, Penton Publishing, Cleveland, OH, US vol. 42, no. 21, 10/14/94; 10 pages  |                |          |                |                                     |                 |  |  |  |
|                                 | 2          | From Application Number 10/033,027 (CD00232): Harbaum, T. et al. "Design of a Flexible Coprocessor Unit" Proceedings of the Euromicro Conference, XX XX, Sept. 1999; 10 pages   |                |          |                |                                     |                 |  |  |  |
|                                 | 3          | From Application Number 10/033,027; CD00169: "Programmable Microcontroller (PSoC) Architecture (Mixed Analog/Digital)"; 08/07/01; 09/924,734 Snyder et al.; 28 pages  |                |          |                |                                     |                 |  |  |  |
|                                 | 4          | From Application Number 10/033,027; CD00170: "Digital Configurable Macro Architecture"; 07/18/01; 09/909,045; Snyder; 37 pages  |                |          |                |                                     |                 |  |  |  |
|                                 | 5          | From Application Number 10/033,027: CD00172; "Configuring Digital Functions in a Digital Configurable Macro Architecture"; 07/18/01; 09/909,109; Snyder; 38 pages   |                |          |                |                                     |                 |  |  |  |
|                                 | 6          | From Application Number 10/033,027: CD00173; "A Programmable Analog System Architecture (As Amended)"; 07/18/01; 09/909,047; Mar; 60 pages  |                |          |                |                                     |                 |  |  |  |
| •                               | 7          | From Application Number 10/033,027: CD00174; "Programmable Methodology and Architecture for a Programmable Analog System (As Amended)"; 08/14/01; 09/930,021; Mar et al.; 87 pages  |                |          |                |                                     |                 |  |  |  |
|                                 | 8          | From Application Number 10/033,027: CD00175; "Method for Synchronizing and Resetting Clock Signals Supplied to Multiple Programmable Analog Blocks (As Amended)"; 10/01/01; 09/969;311; Sullam; 57 pages  |                |          |                |                                     |                 |  |  |  |

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| Attorney Docket Number |       | CD01207M      |  |  |  |

| 9  | From Application Number 10/033,027: CD00180; "Method and Apparatus for Programming a Flash Memory"; 06/05/01; 09/875,599; Snyder; 23 pages   |  |
|----|--|--|
| 10 | From Application Number 10/033,027: CD00182; "In-System Chip Emulator Architecture"; 10/10/01; 09/975,115; Snyder et al.; 38 pages   |  |
| 11 | From Application Number 10/033,027: CD00187; "A Configurable Input/Output Interface for a Microcontroller"; 09/14/01; 09/953,423; Kutz et al.; 28 pages  |  |
| 12 | From Application Number 10/033,027: CD00199; "Multiple Use of Microcontroller Pad"; 06/26/01; 09/893,050; Kutz et al.; 21 pages  |  |
| 13 | From Application Number 10/033,027: CD00226; "Programming Architecture for a Programmable Analog System"; 08/14/01; 09/929,891; Mar et al.; 82 pages   |  |
| 14 | From Application Number 10/033,027: CD00227; "Architecture for Synchronizing and Resetting Clock Signals Supplied to Multiple Analog Programmable Analog Blocks"; 10/01/01; 09/969,313; Sullam; 50 pages |  |
| 15 | USPTO Non-Final Rejection for 09/994,601 (CD01170M) dated 11/14/2006; 15 pages   |  |
| 16 | USPTO Final Rejection for 09/994,601 (CD01170M) dated 03/08/2006; 14 pages   |  |
| 17 | USPTO Non-Final Rejection for 09/994,601 (CD01170M) dated 09/21/2005; 12 pages   |  |
| 18 | USPTO Final Rejection for 09/994,601 (CD01170M) dated 03/24/2005; 13 pages   |  |
| 19 | HINTZ ET AL.; "MICROCONTROLLERS", 1992, McGraw-Hill; 11 pages  |  |

| Application Number         |  | 10002217      |  |  |  |  |
|----------------------------|--|---------------|--|--|--|--|
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| Attorney Docket Number     |  | CD01207M      |  |  |  |  |

|   | 20 | GANAPATHY, GOPI, AND NARAYAN, RAM, AND JORDEN, GLEN, AND FERNANDEZ, DENZIL, AND WANG, MING, AND NISHIMURA, JIM; "Hardware Emulation for Functional Verification of K5", June 1996, 33rd Design Automation Conference Proceedings, 3-7 June 1996; 4 pages |  |
|---|----|--|--|
|   | 21 | Five unnumbered pages from the Provisional Application 60/243,708; 5 pages   |  |
|   | 22 | "Webster's Third New International Dictionary", 1996, G. & C. Merriam Company; 3 pages   |  |
|   | 23 | USPTO Advisory Action for 09/998,848 (CD01177) dated 09/07/05; 3 pages   |  |
|   | 24 | USPTO Non-Final Rejection for 09/994,601, dated 07/29/2004; 10 pages   |  |
|   | 25 | USPTO Notice of Allowance for 10/008,096, dated 12/22/2008; 24 pages   |  |
| : | 26 | USPTO Final Rejection for 10/008,096, dated 06/16/2008; 23 pages   |  |
|   | 27 | USPTO Non-Final Rejection for 10/008,096, dated 12/12/2007; 14 pages   |  |
|   | 28 | USPTO Final Rejection for 10/008,096, dated 09/04/2007; 19 pages   |  |
|   | 29 | USPTO Non-Final Rejection for 10/008,096, dated 03/07/2007; 19 pages   |  |
|   | 30 | USPTO Final Rejection for 10/008,096, dated 10/13/2006; 17 pages   |  |

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| Attorney Docket Numb     | oer | CD01207M        |  |  |  |  |

|   | 31                             | USPTO Non-Final Rejection for 10/008,096, dated 04/17/2006; 18 pages |                   |                 |              |             |                 |   |           |              |              |        |
|---|--------------------------------|--|-------------------|-----------------|--------------|-------------|-----------------|---|-----------|--------------|--------------|--------|
|   | 32                             | USPTO Final Rejection for 10/008,096, dated 11/25/2005; 17 pages     |                   |                 |              |             |                 |   |           |              |              |        |
|   | 33                             | USPTO Non-Final Rejection for 10/008,096, dated 06/24/2005; 15 pages |                   |                 |              |             |                 |   |           |              |              |        |
|   | 34                             | USPTO Final Rejection for 10/008,096, dated 02/10/2005; 15 pages     |                   |                 |              |             |                 |   |           |              |              |        |
|   | 35                             | USPTO Non-Final Rejection for 10/008,096, dated 06/14/2004; 24 pages |                   |                 |              |             |                 |   |           |              |              |        |
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